

Converting Colors

CIELCh(54, 60.379, 147.673)

Have a look what the booklet for
CIELCh(54, 60.379, 147.673)
contains.

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Color

CIELCh(54, 60.426, 147.647)

Conversions

Conversions Part 1

Format	Color
Hex	0C9546
RGB	12, 149, 70
RGB Percent	5%, 58%, 27%
CMY	0.9544, 0.4161, 0.7259
CMYK	0.92, 0.00, 0.53, 0.42
HSL	145°, 85%, 31%
HSV	145°, 92%, 58%
XYZ	11.9778, 21.9746, 9.3874
YIQ	99.0310, -56.2930, -53.6130

Conversions

Conversions Part 2

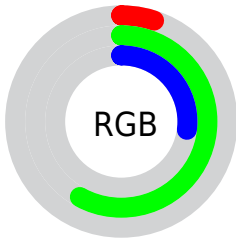
Format	Color
R _Y B	12, 108, 149
Decimal	824646
CIE Lab	54.00, -51.05, 32.34
CIE LCh	54, 60.426, 147.647
Yxy	21.9746, 0.2764, 0.5070
Android (android.graphics.Color)	4279014726 (0xFF0C9546)
YUV	99.0310, -14.3123, -76.3262
Hunter-Lab	46.8770, -36.4252, 20.9408

Details

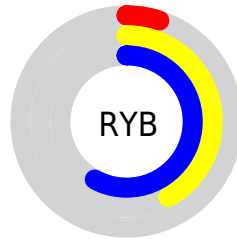
The CIELCh color **54, 60.426, 147.647** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **33, 57.166, 352.198**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **74, 60.369, 147.744**, and **35, 53.196, 140.363** is the 20% darker color. If you saturate the color by 10%, you get **54, 63.601, 146.070**, and if you desaturate by 10%, it is **54, 55.916, 149.670**.

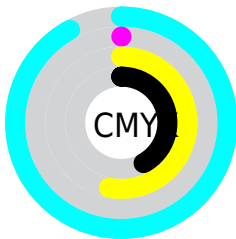
Distribution



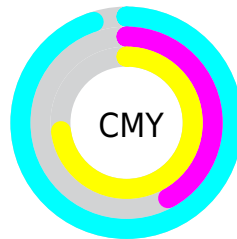
- Red (5%)
- Green (58%)
- Blue (27%)



- Red (5%)
- Yellow (42%)
- Blue (58%)



- Cyan (92%)
- Magenta (0%)
- Yellow (53%)
- Black (42%)




- Cyan (95%)
- Magenta (42%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 60.426, 147.647 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 54, 60.426, 147.647 by changing the saturation by 10% instead.


 54, 60.426,
147.647

 54, 60.426,
147.647


 100, 60.426,
147.647


 44, 60.426,
147.647


 74, 60.426,
147.647

 34, 60.426,
147.647

 84, 60.426,
147.647

 24, 60.426,
147.647

 94, 60.426,
147.647

 14, 60.426,
147.647

 4, 60.426, 147.647

 0, 60.426, 147.647

■ 54, 60.426,
147.647

■ 54, 60.426,
147.647

■ 54, 63.601,
146.070

■ 54, 55.916,
149.670

■ 55, 50.709,
151.509

■ 55, 44.842,
153.151

■ 56, 38.397,
154.601

■ 57, 31.489,
155.877

■ 58, 24.243,
157.000

■ 59, 16.781,
157.994

■ 60, 9.216, 158.885

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



54, 60.426, 147.647



33, 57.166, 352.198

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54, 60.426, 147.647



54, 60.426, 197.647



54, 60.426, 327.647



54, 60.426, 17.647

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



54, 60.426, 147.647



74, 26.204, 157.373



56, 68.458, 124.074



38, 17.997, 156.966



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



54, 60.426, 147.647



69, 78.105, 145.579



55, 35.341, 185.367



31, 4.247, 159.138



50, 59.863, 146.241



2, 3.712, 159.801

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



33, 57.166, 352.198



42, 70.337, 355.163



31, 62.330, 32.966



29, 4.284, 340.445



29, 54.930, 354.156



1, 3.713, 339.792

Previews

White Background



This preview shows how the CIELCh color 54, 60.426, 147.647 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 54, 60.426, 147.647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 54, 60.426, 147.647

Background



This preview shows how black text looks on a background with the CIELCh color 54, 60.426, 147.647.



This preview shows how white text looks on a background with the CIELCh color 54, 60.426, 147.647.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

54, 60.426, 147.647

Protanopia

54, 36.937, 95.437

Deuteranopia

54, 30.486, 75.959



Tritanopia
54, 25.058, 212.041

Trichromacy



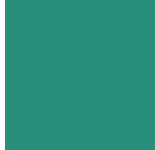
Original Color
54, 60.426, 147.647



Protanomaly
52, 42.738, 129.695



Deuteranomaly
52, 34.886, 126.466



Tritanomaly
54, 34.134, 175.254

Monochromacy



Original Color
54, 60.426, 147.647



Achromatopsia
42, 0.006, 296.813



Achromatomaly
45, 26.294, 155.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 60.426, 147.647 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(12, 149, 70)` looks like.

```
.text, #text, p{  
    color:rgb(12, 149, 70)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(12, 149, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 149, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 60.426, 147.647 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(12, 149, 70) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(12, 149, 70) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(12, 149, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 149, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 149, 70);  
box-shadow:4px 4px 4px 4px rgb(12, 149,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 60.426, 147.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 149, 70) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(12, 149,  
70) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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